CLAIMS

- 1. A peptide which comprises an amino acid sequence of the formula:
- X-Y-Thr-Trp-Asn-Gln-Met-Asn-Leu (SEQ ID NO: 4) wherein X represents Ser, Ala, Abu, Arg, Lys, Orn, Cit, Leu, Phe, or Asn, and Y represents Tyr or Met, and which has an activity to induce CTLs.
- 2. The peptide according to claim 1 which comprises any one of the amino acid sequences selected from a group consisting of:
- Ser-Tyr-Thr-Trp-Asn-Gln-Met-Asn-Leu (SEQ ID NO: 5),

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Ala-Tyr-Thr-Trp-Asn-Gln-Met-Asn-Leu (SEQ ID NO: 6),

Abu-Tyr-Thr-Trp-Asn-Gln-Met-Asn-Leu (SEQ ID NO: 7),

Arg-Tyr-Thr-Trp-Asn-Gln-Met-Asn-Leu (SEQ ID NO: 8),

Lys-Tyr-Thr-Trp-Asn-Gln-Met-Asn-Leu (SEQ ID NO: 9),

Orn-Tyr-Thr-Trp-Asn-Gln-Met-Asn-Leu (SEQ ID NO: 10),

Cit-Tyr-Thr-Trp-Asn-Gln-Met-Asn-Leu (SEQ ID NO: 11),

Leu-Tyr-Thr-Trp-Asn-Gln-Met-Asn-Leu (SEQ ID NO: 12),

Phe-Tyr-Thr-Trp-Asn-Gln-Met-Asn-Leu (SEQ ID NO: 13),

Asn-Tyr-Thr-Trp-Asn-Gln-Met-Asn-Leu (SEQ ID NO: 14),

- Ser-Met-Thr-Trp-Asn-Gln-Met-Asn-Leu (SEQ ID NO: 15), and
- Ala-Met-Thr-Trp-Asn-Gln-Met-Asn-Leu (SEQ ID NO: 16).
- 3. A peptide which consist of an amino acid sequence of SEQ ID NO: 4, and which has an activity to induce CTLs.
- 4. The peptide according to claim 3, which consists of any one of the amino acid sequences selected from a group consisting of SEQ ID NOs: 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, and 16.

- 5. A polynucleotide which encodes the peptide according to any one of claims 1 to 4.
- 6. An expression vector which contains the polynucleotide according to claim 5.
- 7. A cell which comprises the expression vector according to claim 6.
- 8. A process for preparing a peptide according to any one of claims 1 to 4, which comprises culturing the cell according to claim 7 in a condition operable for the expression of the peptides.
- 9. An antibody which specifically binds to the peptide according to any one of claims 1 to 4.
- 10. An antigen-presenting cell on which a complex between a cancer antigen peptide derived from the peptide according to claim 1 or 2 and an HLA-A24 antigen is presented.
- 11. The antigen-presenting cell according to claim 10, on which a complex between a cancer antigen peptide consisting of the peptide according to claim 3 or 4 and an HLA-A24 antigen is presented.
- 12. A CTL which recognizes a complex between a cancer antigen peptide derived from the peptide according to claim 1 or 2, and an HLA-A24 antigen.
- 13. The CTL according to claim 12, which recognizes a complex between a cancer antigen peptide consisting of the peptide according to claim 3 or 4, and an HLA-A24 antigen.
- 14. A pharmaceutical composition which comprises the peptide according to any one of claims 1 to 4, the polynucleotide according to claim 5, the expression vector according to claim 6, the

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cell according to claim 7, the antigen-presenting cell according to claim 10 or 11, or the CTL according to claim 12 or 13, together with a pharmaceutically acceptable carrier.

- 15. The pharmaceutical composition according to claim 14, in which the composition is used as a cancer vaccine.
- 16. Use of the peptide according to any one of claims 1 to 4, the polynucleotide according to claim 5, the expression vector according to claim 6, the cell according to claim 7, the antigenpresenting cell according to claim 10 or 11, or the CTL according to claim 12 or 13, in the manufacture of a cancer vaccine.
- 17. A method for treatment or prevention of a cancer, which comprises administering a therapeutically or prophylactically effective amount of the peptide according to any one of claims 1 to 4, the polynucleotide according to claim 5, the expression vector according to claim 6, the cell according to claim 7, the antigen-presenting cell according to claim 10 or 11, or the CTL according to claim 12 or 13, to a cancer patient in need who is positive for an HLA-A24, and positive for WT1.

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